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(54) Title: PROGRAMMABLE EPIGENETIC CONTROL OF GENE EXPRESSION IN PLANTS

(57) Abstract: Disclosed herein are artificially synthesized nucleic acid constructs to guide an epigenetic modification for at least partially silencing or activating a target gene in an organism such as a plant or seed, and formulations thereof. Also disclosed are methods of applying such nucleic acid constructs to the plant or to the seed. Also disclosed are engineered seeds and plants obtained by the epigenetic modification.

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